Precambrian Research, 36 (1987) 357–358
Elsevier Science Publishers B.V., Amsterdam — Printed in The Netherlands

CONTENTS

Volume 36, 1987

Research Papers

U–Pb zircon ages bearing on the nature of early Archaean greenstone belt evolution, Barberton Mountainland, southern Africa
A.R. Tegtmeyer and A. Kröner (Mainz, F.R.G.) 1
The Precambrian magmatic rocks of Timna Valley, southern Israel
M. Beyth (Jerusalem, Israel) 21
Aspects of deformation along the Namaqua Province eastern boundary, Kenhardt district, South Africa
H.C. Humphreys and J.M. van Bever Donker (Bellville, South Africa) 39
Geochemical studies in the Proterozoic metamorphic terrane of the Guaxupé Massif, Minas Gerais, Brazil. A discussion on large ion lithophile element fractionation during high-grade metamorphism
J.F. Fernandes, S.S. Iyer, K. Imakuma and A. Choudhuri (São Paulo, Brazil) 65
Filamentous microfossils in the early Proterozoic Transvaal Supergroup: their morphology, significance, and paleoenvironmental setting
C. Klein (Albuquerque, NM, U.S.A.), N.J. Beukes (Johannesburg, South Africa) and J.W. Schopf (Los Angeles, CA, U.S.A.) 81
Guide for Authors 95

Research Papers
Composition, age and tectonic setting of amphibolites in the central Bushmanland Group, Western Namaqua Province, southern Africa
D.L. Reid, A.J. Erlank, P.J. Betton (Rondebosch, South Africa) and H.J. Welke (Johannesburg, South Africa) 99
Characteristics of the Sinian glaciogenic rocks of the Shennongjia region, Hubei Province, China
S. Lu (Tianjin, People's Republic of China) and L. Qu (Hubei, Peoplès Republic of China) 127
The geochemistry and petrogenetic relationships of two granites and their inclusions in the Keimoes Suite of the Namaqua mobile belt, South Africa
G.J. Geringer, H. de Bruiyn, A.E. Schoch, B.J.V. Botha and W.A. van der Westhuizen (Bloemfontein, South Africa) 143
Sur l'origine oceanique des metabasites de la chaine du Mayombe (Gabon, Congo, Zaïre, Angola)
J.-P. Vicat and P. Vellutini (Brazzaville, Congo) 163

Comment
Subdivision of Precambrian time: recommendations and suggestions by the Subcommission on Precambrian Stratigraphy
G. Vidal (Lund, Sweden) 177

Reply
Subdivision of Precambrian time: recommendations and suggestions by the Subcommission on Precambrian Stratigraphy
K.A. Plumb (Canberra, A.C.T., Australia) and H.L. James (Port Townsend, WA, U.S.A.) 179

Book Reviews
The Geochronology and Evolution of Africa
F.H. Wilson and W.L. Conrad 181
Archaean and Proterozoic Basins of the Pilbara, Western Australia: Evolution and Mineralization Potential
P.F. Hoffman 182

Meeting Report
Nomenclature for the Proterozoic — recent actions by the Subcommission on Precambrian Stratigraphy
K.A. Plumb (Canberra, A.C.T., Australia) and R.D. Gee (Perth, W.A., Australia) 185

Research Papers
Back-arc spreading in the Proterozoic — a theoretical approach
A. Hynes (Montreal, Canada) 189
Jörn: an early Proterozoic intrusive complex in a volcanic-arc environment, north Sweden
M.R. Wilson, S. Sehlstedt (Luleå, Sweden), L.-Å. Claesson, J.A.T. Smellie (Uppsala, Sweden), M. Aftalion, P.J. Hamilton and A.E. Fallick (Glasgow, Gt. Britain) 201
The evolution of the Mustio gneiss dome, Svecofennides of SW Finland
W. Bleeker and L. Westra (Amsterdam, The Netherlands) 227
Horizontal tectonics pre-dating upper Gorge Creek Group sedimentation Pilbara Block, Western Australia
C.A. Boulter (Nottingham, Gt. Britain), M.J. Bickle (Cambridge, Gt. Britain) B. Gibson and R.K. Wright (Nedlands, W.A., Australia) 241
Inverse age stratification in the Archaean crust of the Superior Province: evidence for infra- and subcrustal accretion from high resolution U-Pb zircon and monazite ages
F. Corfu (Toronto, Ont., Canada) 259
The age of the latest Precambrian volcanism in southern Israel, northeastern Sinai and southwestern Jordan — a re-evaluation
A. Segev (Jerusalem, Israel) 277
Geochronology and geochemistry of Precambrian granitic rocks of Goa, SW India
D.P. Dhoundial, D.K. Paul, A. Sarkar (Calcutta, India), J.R. Trivedi, K. Gopalan (Ahmedabad, India) and P.J. Potts (Milton Keynes, Gt. Britain) 287
U–Pb zircon evidence for a Pan-African granulite facies metamorphism in the Central African Republic. A new interpretation of the high-grade series of the northern border of the Congo Craton
C. Pin and J.L. Poidevin (Clermont-Ferrand, France) 303
Hydrated uranium minerals, from the Otish and Mistassini Basins (Quebec, Canada), as clues on Archean weathering processes
G.P. Sassano (Montreal, Canada) and M. Rocheleau (Quebec City, Canada) 313
Observations on the genus *Huroniospora* Barghoorn: implications for paleoecology of the Gunflint microbiota
P.K. Strother and K. Tobin (Boston, MA, U.S.A.) 323
Le Hoggar oriental, bloc cratonisé à 730 Ma dans la chaîne Pan-Africaine du nord du continent Africain
R. Caby et U. Andreopoulos-Renaud (Montpellier, France) 335

Comment
Further reflections on metazoan evolution
G. Vidal (Lund, Sweden) and M. Moczydłowska (Warsaw, Poland) 345

Reply
Discussions on the age of the Liulaobei Formation
W. Sun (Nanjing, People's Republic of China) 349

Comment
Discussion about some 'worm-like fossils'
M.F. Glaessner (Adelaide, S.A., Australia) 353

Contents Volume 36 357